

Abstract

The electric device-(100) according to the invention has a resistor comprising a layer-(7, 107) of a phase change material which is changeable between a first phase with a first electrical resistivity and a second phase with a second electrical resistivity different from the first electrical resistivity. The phase change material is a fast growth material. The electric device-(100) further comprises a switching signal generator-(400) for switching the resistor between at least three different electrical resistance values by changing a corresponding portion of the layer-(7, 107) of the phase change material from the first phase to the second phase.